|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Table S3. Genotype of *13 kDa prolamin-*knockout lines (T1 generation) | | | | | |
| **sgRNA** | **T1 plants** | **Transgenicity assaya** | **Edited gene** | **Frequencyᵇ** | **Type** |
| ***SpCas9/HygR*** |  |  |  |
| sgRNA-pro13a | *1a-6* | -/- | *Pro13a.1* | 99.9% | Ins (1 Nu) |
| *Pro13a.2* | 50.0% | Ins (1 Nu) |
| *1a-8* | -/- | *Pro13a.1* | 99.9% | Ins (1 Nu) |
| *Pro13a.2* | 99.8% | Ins (1 Nu) |
| *1a-10* | -/- | *Pro13a.1* | 99.9% | Ins (1 Nu) |
| *Pro13a.2* | 0.1% | WT |
| *1a-11* | -/- | *Pro13a.1* | 99.9% | Ins (1 Nu) |
| *Pro13a.2* | 48.9% | Ins (1 Nu) |
| *2a-1* | -/- | *Pro13a.1* | 50.6% | Del (1 Nu) |
| *2a-2* | -/- | *Pro13a.1* | 99.8% | Del (1 Nu) |
| *2a-6* | -/- | *Pro13a.1* | 0.0% | WT |
| *2a-7* | -/- | *Pro13a.1* | 50.8% | Del (1 Nu) |
| *2a-9* | -/- | *Pro13a.1* | 52.1% | Del (1 Nu) |
| sgRNA-pro13b | *4b-1* | +/+ | *Pro13b.1* | 49.3% | Ins (1 Nu) |
| *4b-2* | +/+ | *Pro13b.1* | 50.6% | Ins (1 Nu) |
| *4b-3* | -/- | *Pro13b.1* | 0.0% | WT |
| *4b-5* | +/+ | *Pro13b.1* | 50.2% | Ins (1 Nu) |
| *4b-7* | +/+ | *Pro13b.1* | 49.9% | Ins (1 Nu) |
| *4b-9* | -/- | *Pro13b.1* | 99.4% | Ins (1 Nu) |
| *Pro13b.13* | 99.8% | Ins (1 Nu) |
| *4b-10* | +/+ | *Pro13b.1* | 49.4% | Ins (1 Nu) |
| *8b-3* | -/- | *Pro13b.3* | 100.0% | Del (4 Nu) |
| *8b-6* | -/- | *Pro13b.3* | 0.1% | WT |
| *8b-11* | -/- | *Pro13b.3* | 49.9% | Del (4 Nu) |
| aSymbol ‘+’ and ‘-’ indicate that SpCas9/HygR genes are present or absent, respectively | | | | | |
| bIndel (Insertion & Deletion) frequency was calculated from Deep sequencing analysis | | | | | |